

Joint Institute for Marine and Atmospheric Research (JIMAR)

1. JIMAR's mission is to bring together scientists from NOAA and the University of Hawaii at Manoa to conduct research on topics of mutual interest in the national and local interest.

JIMAR has six research themes:

1. Tsunamis and other long-period ocean waves
2. Equatorial oceanography
3. Climate
4. Fisheries oceanography
5. Tropical meteorology
6. Coastal research

JIMAR was founded in 1977. Incorporated within JIMAR was the Joint Tsunami Research Effort which was founded by ESSA and the University of Hawaii in 1967. JIMAR began with the first three research themes above. Fisheries oceanography was added in 1992, Tropical meteorology in 1995, and coastal research in 2000. JIMAR's host laboratory is in Seattle (PMEL) but two major partners, The Pacific Islands Fisheries Science Center and the National Weather Service Honolulu Forecast, are adjacent to or located upon the Manoa Campus.

2c. What percentage of your research is short term (0-2 years), medium term (3-5 years) or long-term (greater than 5 years)?

Approximately 30% is short term, 30 % medium term, 40 % long-term.

2d. What is the geographic scope of your research? Our scope spans regional through global in its nature. Our tropical meteorology theme focuses on regional (Hawaiian) weather, our tsunami and fisheries themes span the Pacific basin. Our climate research extends globally.

3. What per cent of total Joint institute funding comes from NOAA?

For the first 30 months of our current cooperative agreement, NOAA has provided \$94.8 % of our total funding.

4. What is the unique expertise that the JI brings to NOAA? Among other expertise JIMAR brings the scientific capabilities of the School of Ocean and Earth Science Technology which includes formidable programs in Oceanography, Geology and Geophysics and Meteorology. The department of Meteorology is arguably one of the top 3 tropical speciality departments in the nation, the Oceanography and Geology and Geophysics stand in the top tiers of NRC-ranked doctoral programs. Additional unique expertise resides in the Hawaii Institute of Marine Biology, the College of Natural Sciences, the Pacific Biomedical Research Center, and the Social Sciences Research Institute.

UH Oceanographers and meteorologists represent a cadre of experts in seasonal to inter annual climate research. UH created and sustains the global sea level network. In the past seven a joint effort between the Government of Japan and the University has led to the establishment of the International Pacific Research Center (IPRC) which is center of excellence in Asia-Pacific climate research.

5. Please provide a breakdown of staff funded by NOAA (such as scientists, engineers, computer specialists and administrative). Please include only staff who receive 50% or more of their funding from NOAA.

The JIMAR breakdown is:

Scientists	37
Research support	45
Computer Specialists	13
Administrative Support	12
Post doctoral scientists on stipends	3
Graduate student Assistants	20
Student assistants (undergraduate)	24.

Contact person: Thomas A. Schroeder, Director
808-956-7476